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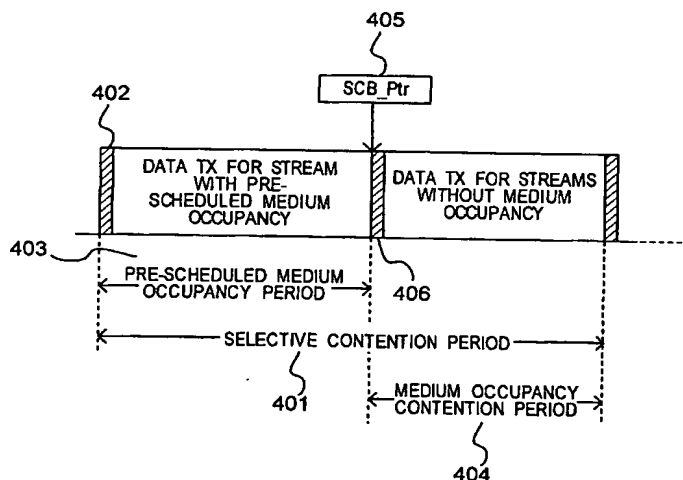
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(54) Title: METHOD FOR TRANSMITTING DATA STREAM VIA WIRELESS MEDIUM AND A WIRELESS NETWORK



(57) Abstract: The present invention provides a method for transmitting data stream via wireless medium for contention based medium access across a wireless network having a plurality of stations and an access point communicating to the stations via wireless medium. The method includes: (i) transmitting data stream from the station according to prescheduled wireless medium occupancy reservation for the station within only prescheduled medium occupancy period of a selective contention period; (ii) performing a contention between the stations for wireless medium occupancy for a contention successful station to transmit data stream within only contention medium occupancy period of the selective contention period; (iii) transmitting data stream from the contention successful station after the contention; and (iv) prescheduling a wireless medium occupancy reservation for the contention successful station to transmit within a prescheduled medium occupancy period of next selective contention period.



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# INTERNATIONAL SEARCH REPORT

national Application No  
PCT/JP2004/000118

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, PAJ, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A		5-7, 12-19
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- \*G\* document member of the same patent family

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International Application No.

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X	US 5 677 909 A (HEIDE CAROLYN) 14 October 1997 (1997-10-14) abstract column 1, lines 8-14 column 3, line 50 - column 4, line 3 column 7, line 1 - column 8, line 34 column 9, lines 20-38 column 10, lines 16-25	1-4, 8-11
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